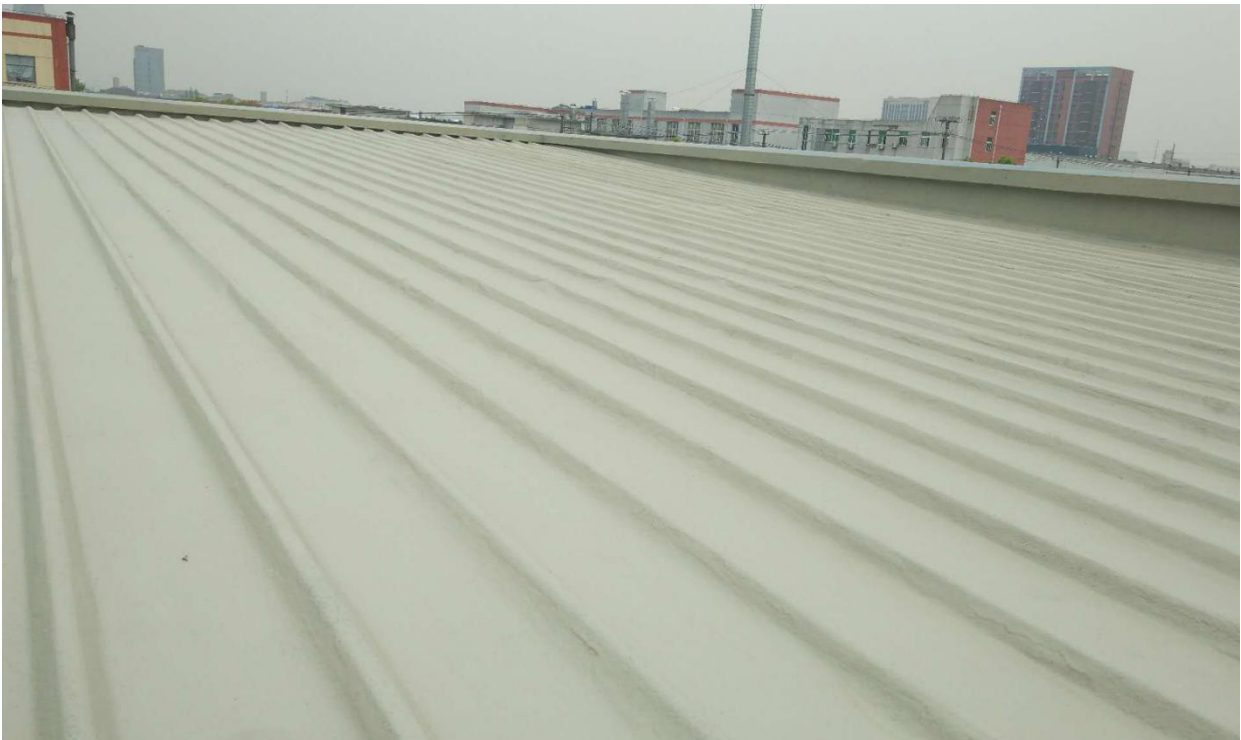


Case Study

Project/customer name:	Zuolan Windows factory	x
Year of application:	2020	x
Location/country:	Shanghai / China	x
Building type:	Metal roof	x
Authorized contractor:	Shanghai Lanyun Co.,Ltd	x
Additional project details:	Gutter, connection between metal, connection between metal and parapet	x

General view:



Challenge:

- The substrates are in mixed form: Metal plate and concrete.
- Every junction has to withstand the impact of thermal expansion (The parapet is seriously cracked).
- Completion of the project has a tough deadline (3 days for 350 sqm).
- Life expectancy of the solution should be at least 10 years.



Solution:

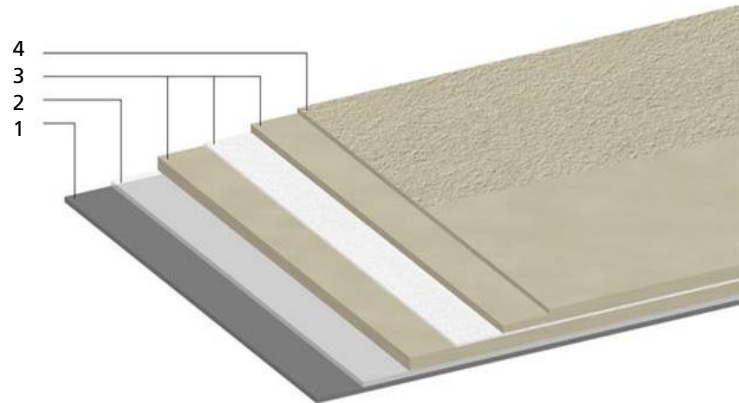
- Triflex ProDetail can easily connect with sheet metal on concrete roofs, insuring no further leaks.
- Triflex ProDetail with duct tape is the perfect solution for the metal plate connections and parapet details. ProDetail is applied with a fleece with high dynamic crack-bridging ability that can deal easily with thermal expansions.
- The fast-curing time of PMMA products allowed meeting the deadlines.
- Triflex ProDetail is certified for a life expectancy of 25 years by European Guideline ETAG 005.



Products used at a glance:

Triflex offers liquid PMMA* based resins (e.g. ProDetail for details or ProProtect for areas):

1. Substrate
2. Primer, if necessary
3. Waterproofing layers
 - a) Triflex ProDetail (2kg / sqm)
 - b) Triflex Special Fleece
 - c) Triflex ProDetail (1 kg / sqm)
4. Finish, if wanted



* Polymethyl methacrylate

Continually improved over 40 years in order to become the market leader in Europe.



Main benefits (European Guideline ETAG 005):

- 25 years estimated working life performance
- Fast curing time and rainproof after only 30 minutes
- Application possible till humidity of 99% and withstands surface temperature after application up to 90° C.
- A liquid seamless solution that fits to any structure with complex geometry
- Adherence to any surfaces (Aluminum, steel, plastic, glass, bitumen, concrete, ...)
- Solvent free, environmental friendly and with no risk to health
- High resistance to chemicals, roots and rhizome, alkali and hydrolysis
- Cold application with no flame and flame retardant
- Highly UV resistant (1000 MJ/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)